

TECH CENTER 1600/29

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/155,921A

DATE: 03/04/2003 TIME: 14:05:14

Input Set : A:\00113185.txt

Output Set: N:\CRF4\03042003\I155921A.raw

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3 <110> APPLICANT: Hoechst Shering AgrEvo GmbH
              Donn, Gunter
              Eckes, Peter
      5
              Mullner, Hubert
              Dudits, Denes
              Feher, Attila
              Paulovics, Katalin
     11 <120> TITLE OF INVENTION: Process for the Production of Plants with Enhanced Growth
              Characteristics
     14 <130> FILE REFERENCE: 514413-3669
     16 <140> CURRENT APPLICATION NUMBER: 09/155,921A
C--> 17 <141> CURRENT FILING DATE: 2003-02-20
     19 <150> PRIOR APPLICATION NUMBER: PCT/EP97/01741
     20 <151> PRIOR FILING DATE: 1997-04-08
     22 <150> PRIOR APPLICATION NUMBER: 96 105 679.3
     23 <151> PRIOR FILING DATE: 1996-04-11
     25 <160> NUMBER OF SEO ID NOS: 5
     27 <170> SOFTWARE: PatentIn version 3.2
     29 <210> SEQ ID NO: 1
     30 <211> LENGTH: 15
     31 <212> TYPE: DNA
     32 <213> ORGANISM: Escherichia coli
     34 <400> SEQUENCE: 1
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     35 aaaatgaaaa ccgct
     38 <210> SEQ ID NO: 2
     39 <211> LENGTH: 20
     40 <212> TYPE: DNA
     41 <213> ORGANISM: Artificial Sequence
     43 <220> FEATURE:
     44 <223> OTHER INFORMATION: mutated translational start codon of ASN-A gene from
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              coli
     47 <400> SEOUENCE: 2
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     51 <210> SEQ ID NO: 3
     52 <211> LENGTH: 77
     53 <212> TYPE: PRT
     54 <213> ORGANISM: Artificial sequence
     56 <220> FEATURE:
     57 <223> OTHER INFORMATION: Modified transit peptide from small subunit of
              Ribulosebiphosphate carboxylase from pea
     60 <400> SEOUENCE: 3
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62 Met Ala Ser Met Ile Ser Ser Ser Ala Val Thr Thr Val Ser Arg Ala

10

15

5

63 1

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66 Ser Arg Gly Gln Ser Ala Ala Val Ala Ser Ser Ser Ala Val Thr Thr 67 20 70 Val Ser Arg Ala Ser Arg Gly Gln Ser Ala Ala Val Ala Pro Pro Gly 74 Gly Leu Lys Ser Met Thr Gly Pro Pro Val Lys Lys Val Asn Thr Asp 55 78 Ile Thr Ser Ile Thr Ser Asn Gly Gly Arg Val Lys Cys 79 65 70 82 <210> SEQ ID NO: 4 83 <211> LENGTH: 57 84 <212> TYPE: PRT 85 <213> ORGANISM: Pea 87 <400> SEQUENCE: 4 89 Met Ala Ser Met Ile Ser Ser Ser Ala Val Thr Thr Val Ser Arg Ala 90 1 93 Ser Arg Gly Gln Ser Ala Ala Val Ala Pro Pro Gly Gly Leu Lys Ser 25 97 Met Thr Gly Pro Pro Val Lys Lys Val Asn Thr Asp Ile Thr Ser Ile 35 101 Thr Ser Asn Gly Gly Arg Val Lys Cys 102 50 105 <210> SEQ ID NO: 5 106 <211> LENGTH: 45 107 <212> TYPE: PRT 108 <213> ORGANISM: Pisum Sativum 110 <400> SEQUENCE: 5 112 Met Ala Ser Met Ile Ser Ser Ala Val Thr Thr Val Ser Arg Ala 10 116 Ser Arg Gly Gln Ser Ala Ala Val Ala Ser Ser Ala Val Thr Thr 20 25 120 Val Ser Arg Ala Ser Arg Gly Gln Ser Ala Ala Val Ala 121 35 40

VERIFICATION SUMMARY

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L:17 M:271 C: Current Filing Date differs, Replaced Current Filing Date